

TABLE OF CONTENTS

Standards for Testing of Construction Materials

Standards and methods for the testing of construction materials and structural members or assemblies 29-276b-1

Criteria for laboratory facilities for the testing of construction materials and structural members or assemblies 29-276b-2

Qualifications for persons performing testing of construction materials and structural members or assemblies 29-276b-3

Conformance with the national voluntary laboratory accreditation program 29-276b-4

Standards for Testing of Construction Materials

Sec. 29-276b-1. Standards and methods for the testing of construction materials and structural members or assemblies

(a) Any person, firm or corporation licensed under the provisions of Chapter 391 engaged in the testing of construction materials and structural members or assemblies shall utilize standards and methods for testing which conform with standards and test methods approved by the American Society for Testing and Materials, the American National Standards Institute, or any other nationally recognized accreditation program for the testing and certification of construction materials and structural members or assemblies.

(b) If any modification of standards and test methods is necessary to render such standards and test methods appropriate for local use, the professional engineer who shall certify such tests shall describe such modification with specificity in each test report.

(Effective January 3, 1992)

Sec. 29-276b-2. Criteria for laboratory facilities for the testing of construction materials and structural members or assemblies

(a) Each laboratory operated by any person, firm or corporation licensed under the provisions of Chapter 391 where the testing of construction materials and structural members or assemblies is conducted shall be under the supervisory control of a qualified professional engineer licensed in accordance with the provisions of Chapter 391 of the Connecticut General Statutes.

(b) Each laboratory operated by any person, firm or corporation licensed under the provisions of Chapter 391 where the testing of construction materials and structural members or assemblies is conducted shall utilize facilities, equipment and procedures which meet standards and methods for testing approved by the American Society for Testing and Materials, the American National Standards Institute, or any other nationally recognized accreditation program for the testing of construction materials and structural members or assemblies.

(c) The facilities of and the equipment utilized in each laboratory operated by any person, firm or corporation licensed under the provisions of Chapter 391 where the testing of construction materials and structural members or assemblies is conducted shall be inspected annually by the supervising professional engineer who shall determine that the condition of both the facilities and the equipment is in conformance with the requirements of the applicable standards and that the equipment is in calibration. The supervising professional engineer shall maintain records of the results of these inspections and shall provide the records to the Board of Examiners for Professional Engineers and Land Surveyors of the Department of Consumer Protection upon the Board's request.

(Effective January 3, 1992)

Sec. 29-276b-3. Qualifications for persons performing testing of construction materials and structural members or assemblies

(a) Each professional engineer licensed in accordance with the provisions of Chapter 391 who has been designated to supervise the testing of construction materials and structural members or assemblies for a testing laboratory operated by any person, firm or corporation licensed under the provisions of Chapter 391 shall be qualified for each separate area of inspection and testing of such materials and members or assemblies either by having successfully completed at least one course

at an accredited institute of higher education or an accredited training seminar in the specific subject matter of that testing procedure or by having performed testing of construction materials and structural members or assemblies in a testing laboratory for at least three years.

(b) The supervising professional engineer for a laboratory facility operated by any person, firm or corporation licensed under the provisions of Chapter 391 shall be responsible for the instruction of the technicians performing tests in the laboratory as needed and shall provide for the evaluation of the performance of each technician performing tests in the laboratory on an annual basis. The supervising professional engineer shall maintain records of the results of these evaluations and shall provide the records to the Board of Examiners for Professional Engineers and Land Surveyors of the Department of Consumer Protection upon the Board's request.

(Effective January 3, 1992)

Sec. 29-276b-4. Conformance with the national voluntary laboratory accreditation program

(a) The supervising professional engineer for a testing laboratory operated by any person, firm or corporation licensed under the provisions of Chapter 391 shall certify when applicable that the laboratory facility, its standards, its equipment, its test methods and the qualifications of laboratory testing personnel conform to the standards, criteria and qualifications required in Sections 29-276b-1, 29-276b-2 and 29-276b-3 of these regulations; but such laboratory's facilities, standards, equipment, test methods and personnel qualifications shall conform at a minimum to the standards, criteria and qualifications required by the National Voluntary Laboratory Accreditation Program of the National Institute of Standards and Technology.

(b) A testing laboratory operated by any person, firm or corporation licensed under the provisions of Chapter 391 need not obtain accreditation with the National Voluntary Laboratory Accreditation Program, although such laboratory may use its accreditation for performing given tests as a basis for certifying that the laboratory may conduct those tests.

(c) If its supervising professional engineer determines that a testing laboratory operated by any person, firm or corporation licensed under the provisions of Chapter 391 does not meet the requirements set forth in Sections 29-276b-1 through 29-276b-4 (a), inclusive, of these regulations, the engineer shall forthwith report the deficiencies which he has found to the Board of Examiners for Professional Engineers and Land Surveyors of the Department of Consumer Protection.

(Effective January 3, 1992)